UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/830,192	04/21/2004	Markku Tapio Autio	872.0171.U1(US)	7733

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EXAMINER
LESPERANCE, JEAN E

ART UNIT	PAPER NUMBER
2629	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
Office Action Summary		10/830,192	AUTIO ET AL.
		Examiner	Art Unit
		Jean E. Lesperance	2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *June 22, 2007*.

2a)☒ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-22 and 27-30* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-22 and 27-30* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *21 April 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   The amendment filed June 22, 2007 is entered and claims 1-22 and 27-30 are

pending.

Response to Arguments

2.   Applicant's arguments with respect to claims 1-22 and 27-30 have been

considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-11, 13-21 are rejected under 35 U.S.C. 102(b) as being unpatentable

over US Patent No. 5,404,458 by Zetts.

Regarding claim 1, Zetts teaches an opened software application window Fig.3

(100) and the action bar 104 contains a single selectable menu item, "options." If the

user touches down with the pointing device (e.g., stylus, finger, etc.) on the "options"

menu item, a pulldown menu will appear to allow him to select one of many available

options (column 6, lines 23-27), the attribute comprising at least one of the scrolling

operator, a toolbar icon and a hyperlink, and the two separate command of the window

(100) of Figure 3 being the active area (the action bar 104) and the non-active area

being the touchdown file command Fig.3 (108) comprising instructions to cause the electronic device to:

the touch sensor Fig.1 (16) generates a series of interrupts to a device driver for the touch workpad at 110 which passes a set of input signals to the AUI corresponding to the set of points in the circle at 112 (column 7, lines 44-47) wherein the touch sensor 16 is not active because it is not an icon. (See Fig.4);

the stroke is sent to a character recognition unit or gesture recognition unit for processing at 128 (column 7, lines 65-67)) wherein a character recognition unit is included in the Advanced User interface (AUI) which stores defined character so that the received input from the touch sensor Fig.1 (16) can be compared to. (See Fig.4); and

If the input stroke has been recognized by the gesture recognition unit as a circle gesture, the AUI passes the circle gesture signal to the appropriate computer module 132 (column 8, lines 3-6). (See Fig.4). The prior art does not specifically teach execute the separate computer command only if the received input matches the stored command character and a toolbar icon. However, the prior art teaches if the input stroke has been recognized by the gesture recognition unit as a circle gesture, the AUI passes the circle gesture signal to the appropriate computer module 132 (column 8, lines 3-6)) wherein the input stroke being the displaying software program and the AUI passes the circle gesture to the appropriate computer module 132 being the second computer command and the action bar (104) being a toolbar icon. The displaying software

program being the input gesture commands and the separate computer command being the mouse commands.

Thus, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify If the input stroke has been recognized by the gesture recognition unit as a circle gesture, the AUI passes the circle gesture signal to the appropriate computer module 132 (column 8, lines 3-6)) wherein the input stroke being the displaying software program and the AUI passes the circle gesture to the appropriate computer module 132 being the separate computer command and the action bar (104) being a toolbar icon to obtain execute the separate computer command only if the received input matches the stored command character and a toolbar icon because this would to reduce the overhead associated with a delay timer which is reset each time an input signal (column 2, lines 61-63).

Regarding claim 2, Zetts teaches the mouse commands (action bar menu or options, Fig.3 (104)), said submenu comprising a plurality of shortcut links each to a different executable command (wherein the action bar menu or options (104) when touched with a pointing device by the user, a pulldown menu will appear to allow the user to select one of the plurality of available options or shortcut links (column 6, lines 23-27).

Regarding claim 3, Zetts teaches each of said executable commands are commands that operate on said graphical image (work space area Fig.3 (102) wherein all the commands are operated.

Regarding claim 4, Zetts teaches the input comprises a touchdown point

(touchdown, Fig.3) and a series of substantially contiguous and continuous input points along said touch sensitive user interface that defines a character input (file command, Fig.3 (108)) wherein all the commands are taking place on the touch overlay Fig.1 (16).

Regarding claim 5, Zetts teaches comparing said received character input to a stored command character comprises comparing a shape and a position of a touchdown point relative to said shape of the received character input to a shape and initial point of said command character (the stroke is sent to a character recognition unit or gesture recognition unit for processing at 128 (column 7, lines 65-67)), and wherein the character input matches the stored command character when said shapes match and the position of the touchdown point relative to the shape matches said initial point (a computer module within the stylus or finger-based operating system extension (AUI) to differentiate between touch input signals intended to emulate a mouse command, such as a mouse button down, mouse move, or a mouse button up, and those touch input signals which are to be considered a gesture or character (column 6, lines 49-55)) wherein as shown in Fig.3, the shape is formed by a plurality of points wherein each point has a position.

Regarding claim 6, Zetts teaches comparing said received character input to a stored command character (the stroke is sent to a character recognition unit or gesture recognition unit for processing at 128 (column 7, lines 65-67)) comprises comparing a shape and a direction of substantially contiguous and continuous input points of the received character input to a shape of said command character and a direction of formation associated with said command character, and wherein the character input

matches the stored command character when said shapes match and the direction of

substantially contiguous and continuous input points matches the direction of formation

associated with the command character (a computer module within the stylus or finger-

based operating system extension (AUI) to differentiate between touch input signals

intended to emulate a mouse command, such as a mouse button down, mouse move,

or a mouse button up, and those touch input signals which are to be considered a

gesture or character (column 6, lines 49-55)) wherein as shown in Fig.3, the shape is

formed by a plurality of points wherein each point has a position.

Regarding claim 7, Zetts teaches in response to receiving the touchdown point

at a portion of the touch sensitive user interface that is not recognized as active by the

display program (the touchdown to the continuous points 12 (Fig.3)) which are

command received by the touch overlay from a user), the improvement further

comprises computer instructions for rendering the entire touch sensitive user interface

as inactive to the display program until the input is terminated (the command from point

12 to point 35 ceased where a timeout was created. Since the user interface was

inactive, an application command, such as a "file" command 108, could be activated by

recognizing the series of points as a "file" command generated by a mouse-pointing

device and sent to the application program (column 6, lines 42-48)).

Regarding claim 8, Zetts teaches the input is terminated at least when the series

of contiguous and continuous input points ceases to be continuous for a minimum

threshold of time (if the user stops moving the pointing device at a desired position for

200 milliseconds, a mouse command, such as a mouse down button command, at the

desired position is communicated to the application program (column 7, lines 2-6)).

Regarding claim 9, Zetts teaches the input is terminated at least when the series of contiguous and continuous input points ceases to move among distinct contiguous portions of the touch sensitive user interface for a minimum threshold of time (if the user stops moving the pointing device at a desired position for 200 milliseconds, a mouse command, such as a mouse down button command, at the desired position is communicated to the application program (column 7, lines 2-6)).

Regarding claim 10, Zetts teaches the input is terminated at least when the series of contiguous and continuous input points match the stored command character (If, however, the pointing device is not moved within a period that exceeds the time delay, a mouse command is recognized and generated at 130 9column 7, lines 61-63)).

Regarding claim 11, Zetts teaches the separate computer command is a computer command executed by a second mouse button when said displaying software program is embodied to receive an input from a mouse having a first and second button (a timeout was created and program execution transferred to mouse emulation mode. Now an application command, such as a "file" command 108, could be activated by recognizing the series of points as a "file" command generated by a mouse-pointing device and sent to the application program (column 6, lines 42-48)) wherein the separate computer command is stored in the AUI (advanced user interface) and wherein (a computer module within the stylus or finger-based operating system extension (AUI) to differentiate between touch input signals intended to emulate a mouse command, such as a mouse button down, mouse move, or a mouse button up,

and those touch input signals which are to be considered a gesture or character

(column 6, lines 49-55) ad the mouse pointing device inherently has first and second

buttons.

Regarding claim 13, Zetts teaches an opened software application window Fig.3

(100) and the action bar 104 contains a single selectable menu item, "options." If the

user touches down with the pointing device (e.g., stylus, finger, etc.) on the "options"

menu item, a pulldown menu will appear to allow him to select one of many available

options (column 6, lines 23-27), the attribute comprising at least one of the scrolling

operator, a toolbar icon and a hyperlink, and the two separate command of the window

(100) of Figure 3 being the active area (the action bar 104) and the non-active area

being the touchdown file command Fig.3 (108);

the touch sensor 16 generates a series of interrupts to a device driver for the

touch workpad at 110 which passes a set of input signals to the AUI corresponding to

the set of points in the circle at 112 (column 7, lines 44-47)) wherein the touch sensor

16 is not active because it is not an icon. (See Fig.4);

the stroke is sent to a character recognition unit or gesture recognition unit for

processing at 128 (column 7, lines 65-67)) wherein a character recognition unit is

included in the Advanced User interface (AUI) which stores defined character so that

the received input from the touch sensor Fig.1 (16) can be compared to. (See Fig.4);

and

If the input stroke has been recognized by the gesture recognition unit as a circle

gesture, the AUI passes the circle gesture signal to the appropriate computer module

132 (column 8, lines 3-6). (See Fig.4). The prior art does not specifically teach execute the separate computer command only if the received input matches the stored command character and a toolbar icon. However, the prior art teaches if the input stroke has been recognized by the gesture recognition unit as a circle gesture, the AUI passes the circle gesture signal to the appropriate computer module 132 (column 8, lines 3-6)) wherein the input stroke being the displaying software program and the AUI passes the circle gesture to the appropriate computer module 132 being the second computer command and the action bar (104) being a toolbar icon. The displaying software program being the input gesture commands and the separate computer command being the mouse commands.

Thus, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify If the input stroke has been recognized by the gesture recognition unit as a circle gesture, the AUI passes the circle gesture signal to the appropriate computer module 132 (column 8, lines 3-6)) wherein the input stroke being the displaying software program and the AUI passes the circle gesture to the appropriate computer module 132 being the separate computer command and the action bar (104) being a toolbar icon to obtain execute the separate computer command only if the received input matches the stored command character and a toolbar icon because this would to reduce the overhead associated with a delay timer which is reset each time an input signal (column 2, lines 61-63).

Regarding claim 14, Zetts teaches said separate corresponding computer command is to display a submenu at the touch sensitive display (action bar menu or

options, Fig.3 (104)), said submenu comprising a plurality of shortcut links each to a

different executable command (wherein the action bar menu or options (104) when

touched with a pointing device by the user, a pulldown menu will appear to allow the

user to select one of the plurality of available options or shortcut links (column 6, lines

23-27).

Regarding claim 15, Zetts teaches each of said executable commands is a

command that operates on said computer generated graphical image (work space area

Fig.3 (102) wherein all the commands are operated.

Regarding claim 16, Zetts teaches the input character comprises a touchdown

point (touchdown, Fig.3) and a series of substantially contiguous and continuous input

points along said touch sensitive user interface (file command, Fig.3 (108)) wherein all

the commands are taking place on the touch overlay Fig.1 (16).

Regarding claim 17, Zetts teaches comparing said input character to a stored

command character comprises comparing a shape and a position of a touchdown point

relative to said shape of the character input to a shape and initial point of said command

character (the stroke is sent to a character recognition unit or gesture recognition unit

for processing at 128 (column 7, lines 65-67)), and wherein the input character matches

the stored command character when said shapes match and the position of the

touchdown point relative to the shape matches said initial point (a computer module

within the stylus or finger-based operating system extension (AUI) to differentiate

between touch input signals intended to emulate a mouse command, such as a mouse

button down, mouse move, or a mouse button up, and those touch input signals which

are to be considered a gesture or character (column 6, lines 49-55)) wherein as shown

in Fig.3, the shape is formed by a plurality of points wherein each point has a position.

Regarding claim 18, Zetts teaches comparing said input character to a stored

command character (the stroke is sent to a character recognition unit or gesture

recognition unit for processing at 128 (column 7, lines 65-67))comprises comparing a

shape and a direction of substantially contiguous and continuous input points of the

received character input to a shape of said command character and a direction of

formation associated with said command character, and wherein the input character

matches the stored command character when said shapes match and the direction of

substantially contiguous and continuous input points matches the direction of formation

associated with the command character(a computer module within the stylus or finger-

based operating system extension (AUI) to differentiate between touch input signals

intended to emulate a mouse command, such as a mouse button down, mouse move,

or a mouse button up, and those touch input signals which are to be considered a

gesture or character (column 6, lines 49-55)) wherein as shown in Fig.3, the shape is

formed by a plurality of points wherein each point has a position.

Regarding claim 19, Zetts teaches in response to receiving the touchdown point

at a portion of the touch sensitive user interface that is not recognized as active by the

display program (the touchdown to the continuous points 12 (Fig.3)) which are

command received by the touch overlay from a user), the improvement further

comprises computer instructions for rendering the entire touch sensitive user interface

as inactive to the display program until the input character is terminated (the command

from point 12 to point 35 ceased where a timeout was created. Since the user interface

was inactive, an application command, such as a "file" command 108, could be

activated by recognizing the series of points as a "file" command generated by a

mouse-pointing device and sent to the application program (column 6, lines 42-48)).

Regarding claim 20, Zetts teaches the separate corresponding computer

command is a computer command executed by a second mouse button when said

displaying software program is embodied to receive an input from a mouse having a first

and second button(a timeout was created and program execution transferred to mouse

emulation mode. Now an application command, such as a "file" command 108, could be

activated by recognizing the series of points as a "file" command generated by a

mouse-pointing device and sent to the application program (column 6, lines 42-48))

wherein the separate computer command is stored in the AUI (advanced user interface)

and wherein (a computer module within the stylus or finger-based operating system

extension (AUI) to differentiate between touch input signals intended to emulate a

mouse command, such as a mouse button down, mouse move, or a mouse button up,

and those touch input signals which are to be considered a gesture or character

(column 6, lines 49-55) ad the mouse pointing device inherently has first and second

buttons.

Regarding claim 21, Zetts teaches a portable electronic device (a flat panel

display to form what is known as a "touch workpad" (column 3, lines 67 and 68))

wherein a flat panel display is light or portable comprising:

a touch sensitive display (work space area Fig.3 (102));

an opened software application window Fig.3 (100) and the action bar 104

contains a single selectable menu item, "options." If the user touches down with the

pointing device (e.g., stylus, finger, etc.) on the "options" menu item, a pulldown menu

will appear to allow him to select one of many available options (column 6, lines 23-27),

the attribute comprising at least one of the scrolling operator, a toolbar icon and a

hyperlink, and the two separate command of the window (100) of Figure 3 being the

active area (the action bar 104) and the non-active area being the touchdown file

command Fig.3 (108);

AUI is stored in RAM 80 with the operating system 81 and application programs

82 (column 6, lines 13 and 14); and

the touch sensor 16 generates a series of interrupts to a device driver for the

touch workpad at 110 which passes a set of input signals to the AUI corresponding to

the set of points in the circle at 112 (column 7, lines 44-47)) wherein the touch sensor

16 is not active because it is not an icon. (See Fig.4);

the stroke is sent to a character recognition unit or gesture recognition unit for

processing at 128 (column 7, lines 65-67)) wherein a character recognition unit is

included in the Advanced User interface (AUI) which stores defined character so that

the received input from the touch sensor Fig.1 (16) can be compared to. (See Fig.4);

and

If the input stroke has been recognized by the gesture recognition unit as a circle

gesture, the AUI passes the circle gesture signal to the appropriate computer module

132 (column 8, lines 3-6). (See Fig.4). The prior art does not specifically teach execute

the separate computer command only if the received input matches the stored

command character and a toolbar icon. However, the prior art teaches if the input stroke

has been recognized by the gesture recognition unit as a circle gesture, the AUI passes

the circle gesture signal to the appropriate computer module 132 (column 8, lines 3-6))

wherein the input stroke being the displaying software program and the AUI passes the

circle gesture to the appropriate computer module 132 being the second computer

command and the action bar (104) being a toolbar icon. The displaying software

program being the input gesture commands and the separate computer command being

the mouse commands.

Thus, it would have been obvious to a person of ordinary skill in the art at the

time the invention was made to modify If the input stroke has been recognized by the

gesture recognition unit as a circle gesture, the AUI passes the circle gesture signal to

the appropriate computer module 132 (column 8, lines 3-6)) wherein the input stroke

being the displaying software program and the AUI passes the circle gesture to the

appropriate computer module 132 being the separate computer command and the

action bar (104) being a toolbar icon to obtain execute the separate computer command

only if the received input matches the stored command character and a toolbar icon

because this would to reduce the overhead associated with a delay timer which is reset

each time an input signal (column 2, lines 61-63).

Regarding claim 28, Zetts teaches FIG. 3 is a representation of the touch

workpad of FIG. 1 showing an opened software application window 100 column 6, lines

18-20);

an opened software application window Fig.3 (100) and the action bar 104

contains a single selectable menu item, "options." If the user touches down with the

pointing device (e.g., stylus, finger, etc.) on the "options" menu item, a pulldown menu

will appear to allow him to select one of many available options (column 6, lines 23-27),

the attribute comprising at least one of the scrolling operator, a toolbar icon and a

hyperlink, and the two separate command of the window (100) of Figure 3 being the

active area (the action bar 104) and the non-active area being the touchdown file

command Fig.3 (108);

AUI is stored in RAM 80 with the operating system 81 and application programs

82 (column 6, lines 13 and 14);

the touch sensor 16 generates a series of interrupts to a device driver for

the touch workpad at 110 which passes a set of input signals to the AUI corresponding

to the set of points in the circle at 112 (column 7, lines 44-47)) wherein the touch sensor

16 is not active because it is not an icon. (See Fig.4);

the stroke is sent to a character recognition unit or gesture recognition unit for

processing at 128 (column 7, lines 65-67)) wherein a character recognition unit is

included in the Advanced User interface (AUI) which stores defined character so that

the received input from the touch sensor Fig.1 (16) can be compared to. (See Fig.4);

and

If the input stroke has been recognized by the gesture recognition unit as a circle

gesture, the AUI passes the circle gesture signal to the appropriate computer module

132 (column 8, lines 3-6). (See Fig.4). The prior art does not specifically teach execute

the separate computer command only if the received input matches the stored

command character and a toolbar icon. However, the prior art teaches if the input stroke

has been recognized by the <u>gesture</u> recognition unit as a circle <u>gesture,</u> the AUI passes

the circle <u>gesture</u> signal to the appropriate computer module 132 (column 8, lines 3-6))

wherein the input stroke being the displaying software program and the AUI passes the

circle gesture to the appropriate computer module 132 being the second computer

command and the action bar (104) being a toolbar icon. The displaying software

program being the input gesture commands and the separate computer command being

the mouse commands.

Thus, it would have been obvious to a person of ordinary skill in the art at the

time the invention was made to modify If the input stroke has been recognized by the

<u>gesture</u> recognition unit as a circle <u>gesture,</u> the AUI passes the circle <u>gesture</u> signal to

the appropriate computer module 132 (column 8, lines 3-6)) wherein the input stroke

being the displaying software program and the AUI passes the circle gesture to the

appropriate computer module 132 being the separate computer command and the

action bar (104) being a toolbar icon to obtain execute the separate computer command

only if the received input matches the stored command character and a toolbar icon

because this would to reduce the overhead associated with a delay timer which is reset

each time an input signal (column 2, lines 61-63).

Regarding claim 29, Zetts teaches FIG. 3 is a representation of the touch

workpad of FIG. 1 showing an opened software application window 100 column 6, lines

18-20);

AUI is stored in RAM 80 with the operating system 81 and application programs 82 (column 6, lines 13 and 14);

the separate computer command means is being the mouse commands when the user touches down with the pointing device (e.g., stylus, finger, etc.) on the " options" menu item, a pulldown menu will appear to allow him to select one of many available options. (column 6, lines 24-27) and the command s are embodied in the application programs 82 which is part of the AUI; and

the embodied computer means being the AUI (column 6, lines 13 and 14);

Regarding claim 30, Zetts teaches the action bar 104 contains a single selectable menu item, " options" represents the separate computer command.

4.   Claims 12 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,404,458 (Zetts) in view of US Patent No. 5,537,608 (Beatty et al.).

Regarding claim 12 and 22, Zetts teaches all the claimed limitations with the exception of providing a mobile station.

However, Beatty et al. teach personal communicator 10 integrates the architecture of a complete personal computer with a modem and an RF transceiver into a portable, lightweight package which fits in the user's hand or pocket (column 3, lines 61-64).

Thus, it would obvious to a person of ordinary skill in the art at the time the invention was made to utilize the personal communicator as taught by Beatty et al. in the touch workpad disclosed by Zetts because this would provide a radio frequency

communication.

Conclusion

5.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jean Lesperance whose telephone number is (571)

272-7692. The examiner can normally be reached on from Monday to Friday between

10:OOAM and 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Richard Hjerpe, can be reached on (571) 272-7691.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571) 273-8300 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal

drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the technology Center 2600 Customer Service Office

whose telephone number is (703) 306-0377.

Jean Lesperance

Art Unit 2629

Date 8/21/2007

RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600